

注記NOTES

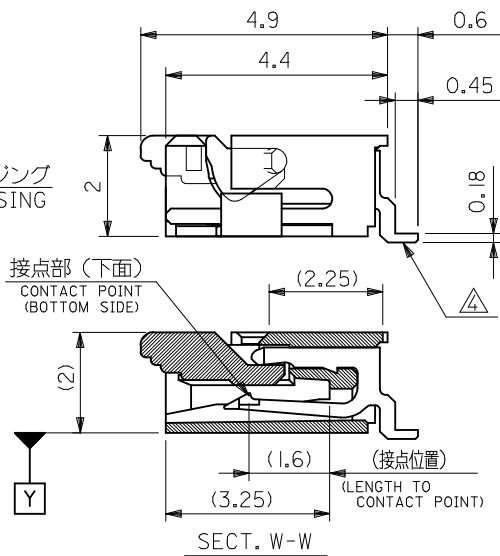
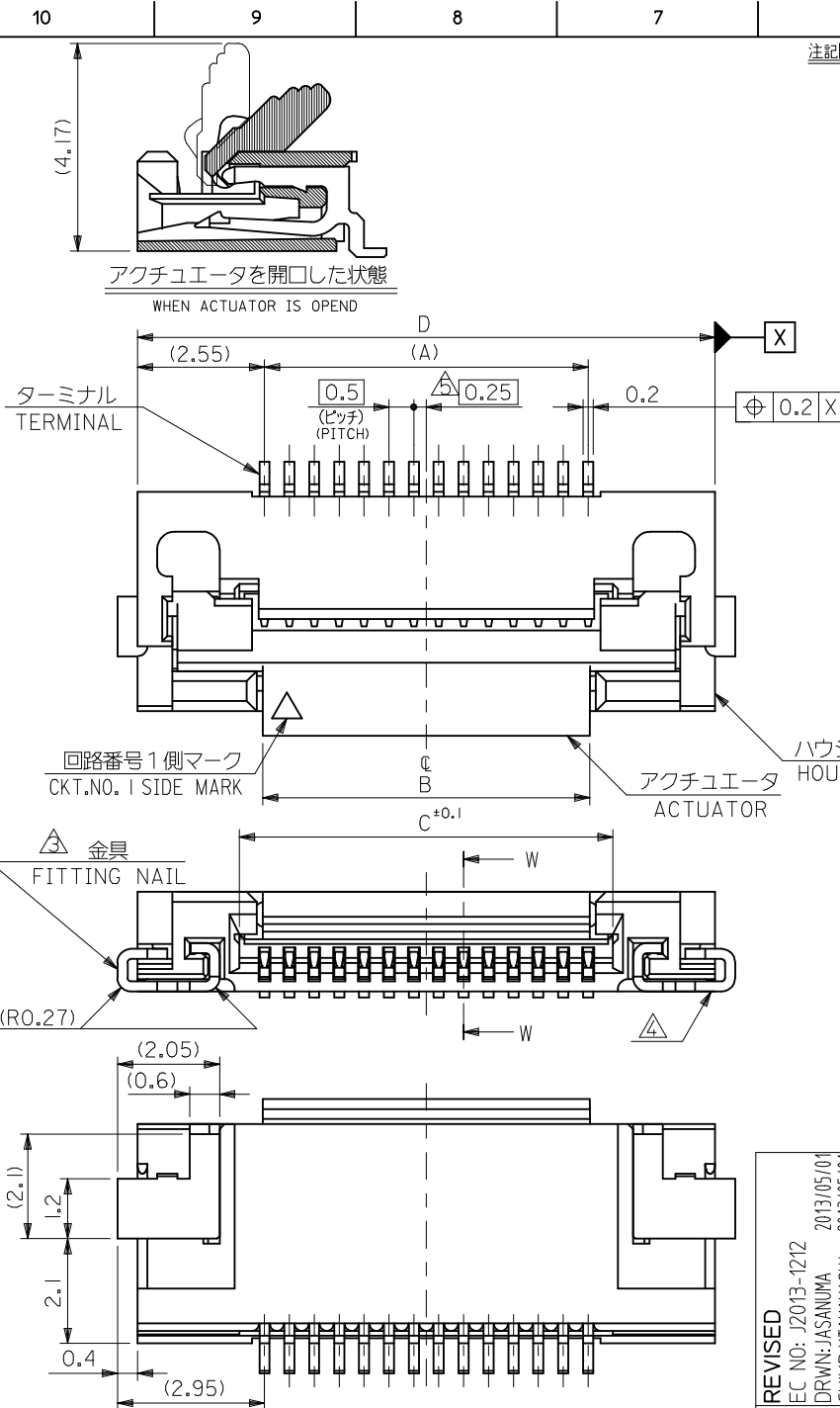
1. 使用材料 MATERIAL

ハウジング : ポリアミド (PA)、ナチュラル(白色)、ガラス充填、UL94V-0
HOUSING : POLYAMIDE ,NATURAL(WHITE) ,GLASS FILLED ,UL94V-0
アクチュエータ : ポリフェニレンサルファイド(PPS)、ナチュラル(茶色)、ガラス充填、UL94V-0
ACTUATOR : POLYPHENYLENE SULFIDE,NATURAL(BROWN),GLASS FILLED UL94V-0
ターミナル : リン青銅(t=0.2)
TERMINAL : PHOSPHOR BRONZE(t=0.2)
金具 : リン青銅(t=0.2)
FITTING NAIL : PHOSPHOR BRONZE(t=0.2)

2. メッキ仕様 PLATING

ターミナル
TERMINAL
銅銀ピマスメッキ(1.0 μm以上)
下地メッキ: ニッケルメッキ(1.0 μm以上)
TIN SILVER BISMUTH PLATING
(1.0 MICROMETER MINIMUM)
UNDER PLATING : NICKEL PLATING
(1.0 MICROMETER MINIMUM)
金具
NAIL
銅メッキ(1.0 μm以上)
下地メッキ: ニッケルメッキ(1.0 μm以上)
TIN BASED PLATING
(1.0 MICROMETER MINIMUM)
UNDER PLATING : NICKEL PLATING
(1.0 MICROMETER MINIMUM)

- △3 パターンはくり止め用金具
FITTING NAIL FOR PREVENTION OF PEELING OF P.C.B PATTERN.
- △4 ソルダータール半田付け面のズレ量、及び金具はんだ付け面のズレ量は、基準面 Y
に対し上方向0.05MAX、下方向0.2MAX、とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM Y
UPPER DIRECTION : 0.05 MAX. LOWER DIRECTION : 0.2 MAX.
- △5 偶数極に適用。
APPLY FOR EVEN CIRCUIT.
- △6 R0.3は、FPCの導体部にならないこと。
R0.3 MUST NOT BE OVERLAPPED TO PATTERN OF FPC.
- △7 18極以上は2か所、8~16極はハウジングセンターに1か所とする。
18 CKTS AND MORE THAN 18 CKTS PLACED 2 POINTS.
8~16 CKTS PLACED 1 POINT ON HOUSING CENTER.
8. ソルダータールの平坦度は、0.10 MAXIMUMとする。
SOLDER TAIL COPLANARITY IS 0.10 MAXIMUM.
9. ELV及びRoHS適合品
ELV AND ROHS COMPLIANT.



19.6	15.5	14.57	14.5	52892-3033	30
18.6	14.5	13.57	13.5	-2833	28
17.6	13.5	12.57	12.5	-2633	26
16.6	12.5	11.57	11.5	-2433	24
15.6	11.5	10.57	10.5	-2233	22
14.6	10.5	9.57	9.5	-2033	20
14.1	10.0	9.07	9.0	-1933	19
13.6	9.5	8.57	8.5	-1833	18
13.1	9.0	8.07	8.0	-1733	17
12.6	8.5	7.57	7.5	-1633	16
12.1	8.0	7.07	7.0	-1533	15
11.6	7.5	6.57	6.5	-1433	14
11.1	7.0	6.07	6.0	-1333	13
10.6	6.5	5.57	5.5	-1233	12
10.1	6.0	5.07	5.0	-1133	11
9.6	5.5	4.57	4.5	-1033	10
8.6	4.5	3.57	3.5	52892-0833	8
D	C	B	(A)	EMBOSSD TAPE ORDER No. オーダー番号	極数 CIRCUIT

CONNECTOR SERIES NO. : 52892-***22

SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION

0.5MM FPC CONN ZIF R/A
HOUSING ASSY
(LOWER CONTACT)

molex

DOCUMENT NO. SD-52892-044 SHEET NO. 1 OF 3

DIMENSION STYLE MM ONLY

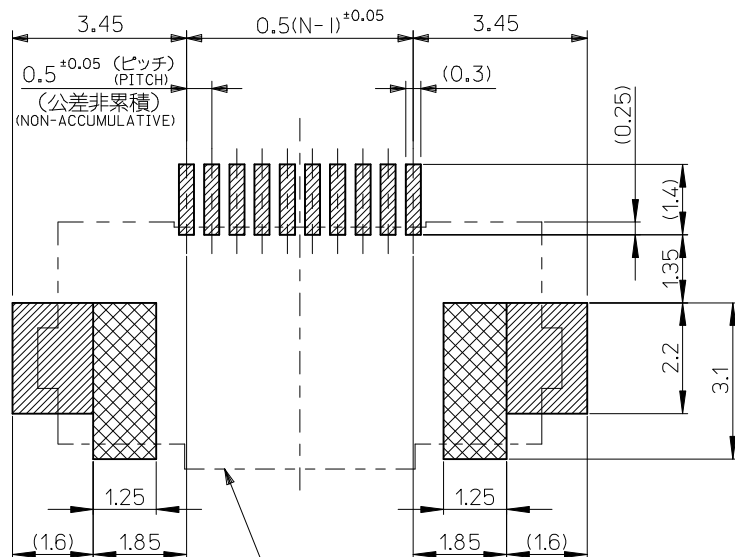
DRAWN BY DATE
TMORISHITA 2012/09/20
CHECKED BY DATE
KTAKAHASHI 2012/09/25
APPROVED BY DATE
KMORIKAWA 2013/04/05
MATERIAL NO.

SEE CHART

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

REVISED
EC NO: J2013-1212
DRWN: JASUNUMA 2013/05/01
CHKD: KTAKAHASHI 2013/05/01
APPR: KMORIKAWA 2013/05/09
REV A

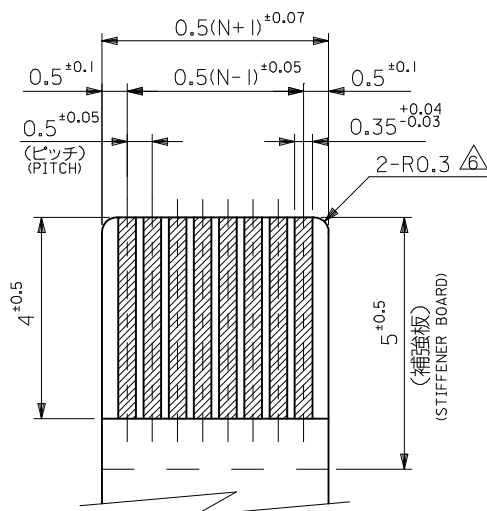


コネクタ位置
CONNECTOR
POSITION

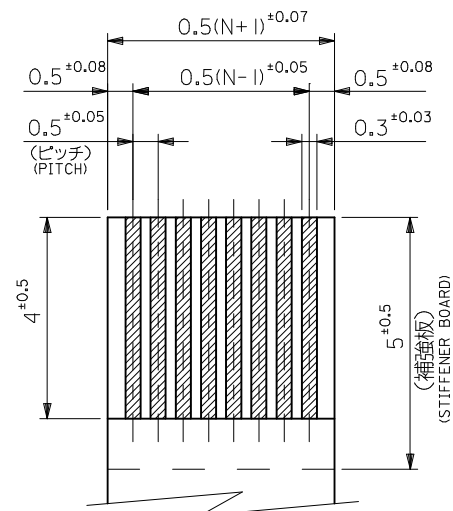
パターン禁止
NO PATTERN

推奨基板レイアウト
RECOMMENDED P.C. BOARD
PATTERN DIMENSION
(マウント面)
(MOUNTING SIDE)

参考ベスト厚 : 100 μm
参考マスク開口率 : 100%
REFERENCE SCREEN THICKNESS : 100 μm
REFERENCE SCREEN OPEN RATIO : 100%



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3±0.03)
(THICKNESS: 0.3±0.03)



適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.3±0.03)
(THICKNESS: 0.3±0.03)

FPC/FFCについて ABOUT FPC/FFC

打ち抜き方向は導体側から補強板側を推奨します。

導体部については軟烙銅35 μmまたは50 μmを推奨します。

RECOMMENDED PUNCHING DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER SIDE

RECOMMENDED CONDUCTOR SPEC: SOFT COPPER FOIL

RECOMMENDED CONDUCTOR THICKNESS: 35 MICROMETER OR 50 MICROMETER

FPCについてABOUT FPC

補強フィルム材質はポリイミドを推奨します。ベースフィルムは25 μmを推奨します。

接着剤は熱硬化接着剤を推奨します。

尚、接着剤の接点部への付着は導通不良の原因になりますので、染み出しが無い様、お願い致します。

RECOMMENDED STIFFENER MATERIAL: POLYIMIDE

RECOMMENDED BASE FILM THICKNESS: 25 MICROMETER

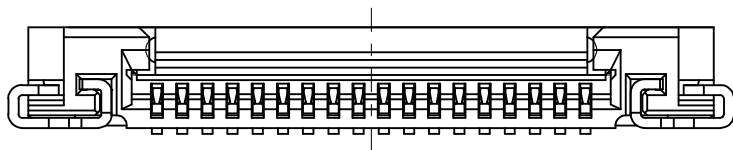
RECOMMENDED ADHESIVE: THERMOSETTING ADHESIVE

NOTE: PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.

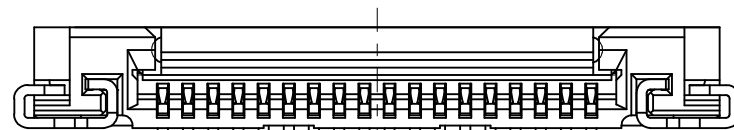
REVISED	EC NO.: J2013-1212	DRWN: JASUNUMA 2013/05/01	CHKD: TAKAHASHI 2013/05/01	APPR: KMORIKAWA 2013/05/09	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
						10 UNDER	± 0.2	DRAWN BY TMORISHITA	DATE 2012/09/20	TITLE 0.5MM FPC CONN ZIF R/A HOUSING ASSY (LOWER CONTACT)						
						10 OVER 30 UNDER	± 0.25	CHECKED BY KTAKAHASHI	DATE 2012/09/25							
						30 OVER	± 0.3	APPROVED BY KMORIKAWA	DATE 2013/04/05	molex						
						ANGULAR ±3 °		MATERIAL NO.						DOCUMENT NO.		SHEET NO.
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1						SD-52892-044		2 OF 3
						A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

10 9 8 7 6 5 4 3 2 1

HSGの金型によって基板面に溝が有る製品と無い製品が存在します。
PRESENCE OR ABSENCE OF THE GROOVE TO HOUSING IS PRESENT.



ハウジング溝無し
NO GROOVE HOUSING



ハウジング溝付き
GROOVED HOUSING

REVISED EC NO: J2013-1212 DRWN: JASUNUMA 2013/05/01 CHKD: TAKAHASHI 2013/05/01 APPR: KMORIKAWA 2013/05/09 A	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY TMORISHITA	DATE 2012/09/20	TITLE 0.5MM FPC CONN ZIF R/A HOUSING ASSY (LOWER CONTACT)			
		10 OVER 30 UNDER	± 0.25	CHECKED BY KTAKAHASHI	DATE 2012/09/25				
		30 OVER	± 0.3	APPROVED BY KMORIKAWA	DATE 2013/04/05	molex			
		ANGULAR ±3 °		MATERIAL NO.					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-52892-044		3 OF 3		
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

9 8 7 6 5 4 3 2

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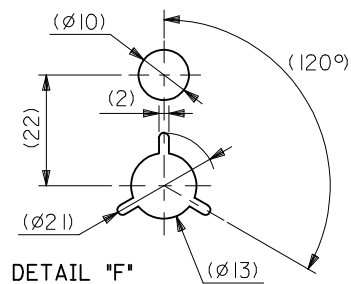
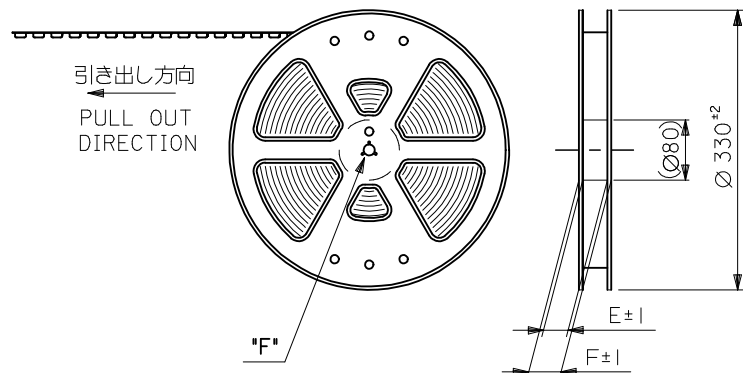
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D

C

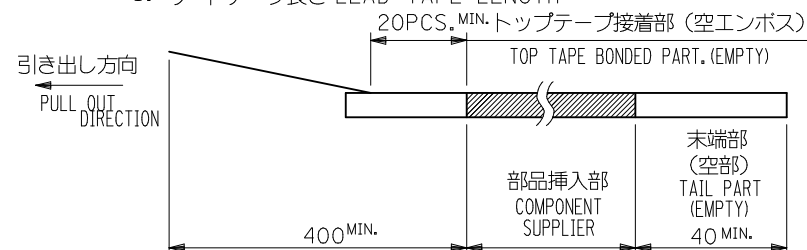
B

A



注記 NOTES

- 製品詳細寸法については図面 SD-52892-044 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52892-044
- 梱包数量：1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- カバートープの剥離強度については、IEC60286-3に準拠
COVER TAPE PEELFORCE IS DEFINED BY IEC60286-3.
- 材料(MATERIAL)
キャリアテープ(CARRIER TAPE)：ポリプロピレン(POLYPROPYLENE)
トップテープ(TOPTAPE)：PET , PE , PEF
リール(REEL)：ポリスチレン (PS) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

RELEASED EC NO: J2013-1015 DRWN: TMORISHITA 2012/09/20 CHKD: KTAKAHASHI 2012/09/25 APPR: KMORIKAWA 2013/04/05	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± ---	DRAWN BY TMORISHITA	DATE 2012/09/20	TITLE EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN ZIF R/A HOUSING ASSY				
		10 OVER 30 UNDER	± ---	CHECKED BY KTAKAHASHI	DATE 2012/09/25					
		30 OVER	± ---	APPROVED BY KMORIKAWA	DATE 2013/04/05	DOCUMENT NO. SD-52892-045				
		ANGULAR ± --- °		MATERIAL NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SHEET NO. 1 OF 2					
	REV 0			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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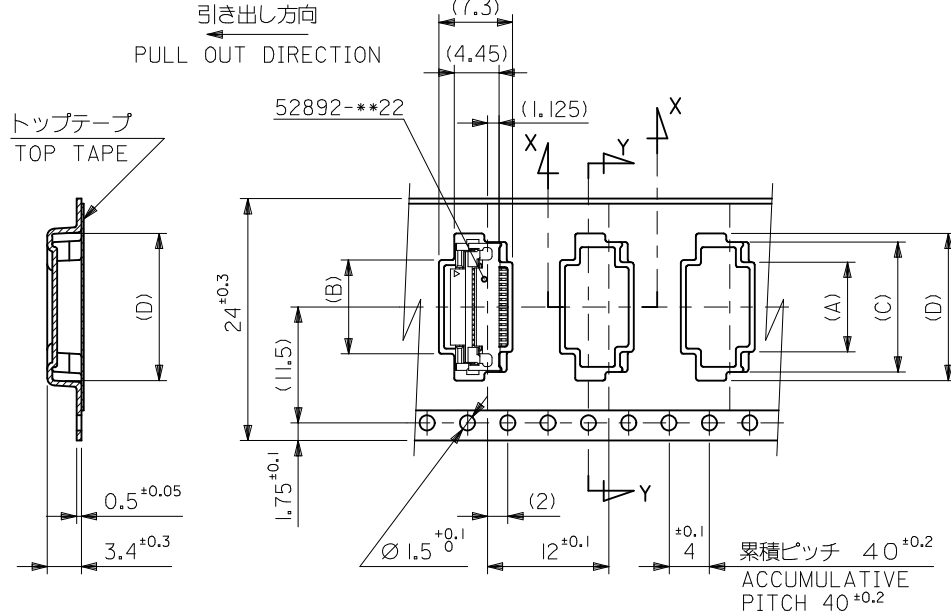
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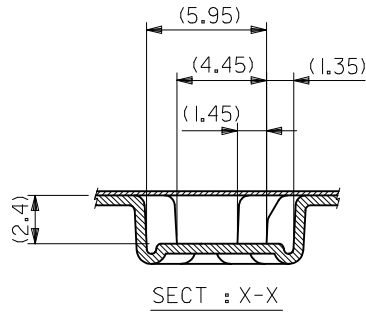
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2

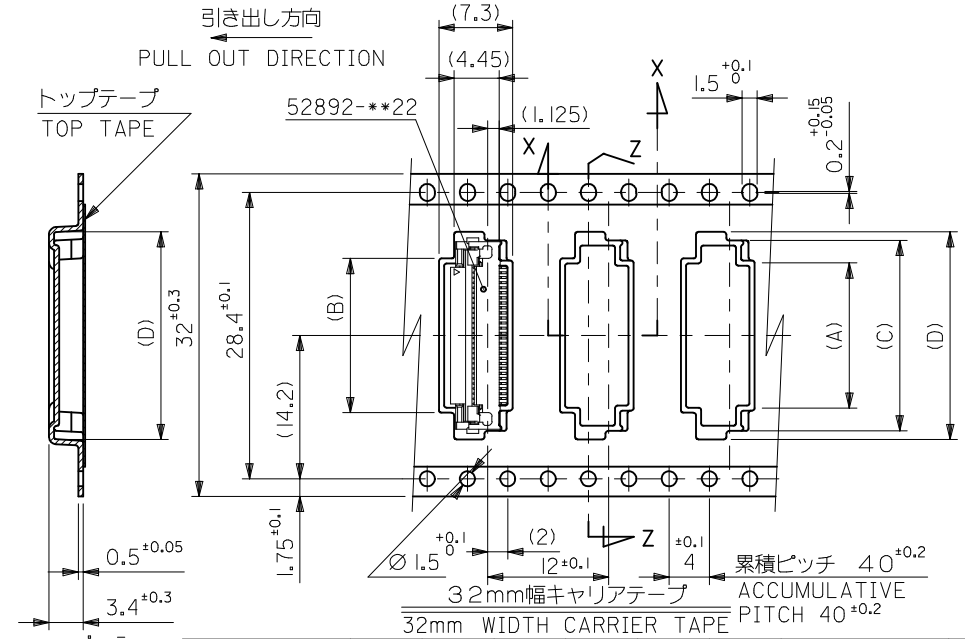


SECT : Y-Y

24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE



SECT : X-X



32	37.4	33.4	21.6	19.9	16.1	15.9	52892-3033	30
			20.6	18.9	15.1	14.9	-2833	28
			19.6	17.9	14.1	13.9	-2633	26
			18.6	16.9	13.1	12.9	-2433	24
			17.6	15.9	12.1	11.9	-2233	22
			16.6	14.9	11.1	10.9	-2033	20
			16.1	14.4	10.6	10.4	-1933	19
			15.6	13.9	10.1	9.9	-1833	18
			15.1	13.4	9.6	9.4	-1733	17
			14.6	12.9	9.1	8.9	-1633	16
			14.1	12.4	8.6	8.4	-1533	15
			13.6	11.9	8.1	7.9	-1433	14
			13.1	11.4	7.6	7.4	-1333	13
			12.6	10.9	7.1	6.9	-1233	12
			12.1	10.4	6.6	6.4	-1133	11
			11.6	9.9	6.1	5.9	-1033	10
			10.6	8.9	5.1	4.9	-933	9
							52892-0833	8
							EMBOSSED PACKAGE	極数
							ORDER No. オダー番号	CIRCUIT

CONNECTOR SERIES NO. : 52892-**22

RELEASED		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO. J2013-1015		10 UNDER		MM ONLY		---		METRIC		◎ □	
DRWN: TMORISHITA 2012/09/20		10 OVER 30 UNDER		DRAWN BY		DATE		TITLE		EMBOSS TAPE PACKAGED FOR 0.5MM FPC CONN ZIF R/A (LOWER CONTACT)	
CHKD: TAKAHASHI 2012/09/25		30 OVER		CHECKED BY		DATE		MATERIAL NO.		DOCUMENT NO.	
APPR: KMORIKAWA 2013/04/05		ANGULAR ±--- °		APPROVED BY		DATE		SEE CHART		SD-52892-045	
O		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.	